

§ 573.300

with current good manufacturing practices.

[63 FR 8573, Feb. 20, 1998]

§ 573.300 Choline xanthate.

Choline xanthate may be safely used as a component of animal feed as an added source of choline to supplement the diets of poultry, ruminants, and swine in accordance with good feeding practice.

§ 573.304 Chromium propionate.

The food additive chromium propionate may be safely used in animal feed as a source of supplemental chromium in accordance with the following prescribed conditions:

(a) The additive is manufactured by the reaction of a chromium salt with propionic acid, at an appropriate stoichiometric ratio, to produce triaquaxakis (mu₃-oxo) hexakis (mu₂-propionato-O,O') trichromium propionate with the empirical formula, [Cr₃(O)(CH₃CH₂CO₂)₆(H₂O)₃]CH₃CH₂CO₂.

(b) The additive is added to feed as follows:

(1) In complete feed for broiler chickens and growing turkeys at a level not to exceed 0.2 milligrams (mg) of chromium from chromium propionate per kilogram feed.

(2) In feed for horses at a level not to exceed an intake of 4 mg of chromium from chromium propionate per horse per day.

(c) The additive meets the following specifications:

(1) Total chromium content, 8 to 10 percent.

(2) Hexavalent chromium content, less than 2 parts per million (ppm).

(3) Arsenic, less than 1 ppm.

(4) Cadmium, less than 1 ppm.

(5) Lead, less than 0.5 ppm.

(6) Mercury, less than 0.5 ppm.

(7) Viscosity, not more than 2,000 centipoise.

(d) The additive shall be incorporated into feed as follows:

(1) It shall be incorporated into each ton of feed by adding no less than one pound of a premix containing no more than 181.4 milligrams of added chromium from chromium propionate per pound.

(2) The premix manufacturer shall follow good manufacturing practices in

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the production of chromium propionate premixes. Inventory, production, and distribution records must provide a complete and accurate history of product production.

(3) Chromium from all sources of supplemental chromium cannot exceed:

(i) A level of 0.2 ppm in complete feed for broiler chickens and growing turkeys.

(ii) An intake of 4 mg per horse per day.

(e) To assure safe use of the additive in addition to the other information required by the Federal Food, Drug, and Cosmetic Act:

(1) The label and labeling of the additive, any feed premix, and feed shall contain the name of the additive.

(2) The label and labeling of the additive and any feed premix shall also contain:

(i) A guarantee for added chromium content.

(ii) Adequate directions for use and cautions for use including these statements: "Caution: Follow label directions" and consistent with the directions for use, the following:

(A) For feed for broiler chickens and growing turkeys, "Chromium from all sources of supplemental chromium cannot exceed 0.2 parts per million of the complete feed."

(B) For feed for horses, "Chromium from all sources of supplemental chromium cannot exceed 4 milligrams per horse per day."

[81 FR 35611, June 3, 2016, as amended at 85 FR 14566, Mar. 13, 2020; 85 FR 48650, Aug. 12, 2020; 89 FR 5768, Jan. 30, 2024]

§ 573.310 Crambe meal, heat toasted.

(a) The additive is the seed meal of *Crambe abyssinica* obtained after the removal of oil from the seed and hull. The oil may be removed by pre-press solvent extraction or by solvent extraction alone. The resulting seed meal is heat toasted.

(b) The additive conforms to the following percent-by-weight specifications: moisture, not more than 11 percent; oil, not more than 4 percent; crude protein, not less than 24 percent; crude fiber, not more than 26 percent; glucosinolate calculated as epiprogoitrin, not more than 4 percent; goitrin, not more than 0.1 percent;

nitrile calculated as 1-cyano-2-hydroxy-3-butene, not more than 1.4 percent. At least 50 percent of the nitrogen shall be soluble in 0.5 M sodium chloride. Myrosinase enzyme activity shall be absent.

(c) The additive is used or intended for use in the feed of feedlot cattle as a source of protein in an amount not to exceed 4.2 percent of the total ration.

[46 FR 30082, June 5, 1981]

§ 573.320 Diammonium phosphate.

The food additive diammonium phosphate may be safely used in ruminant feed in accordance with the following prescribed conditions:

(a) The food additive is the product resulting from the neutralization of feeding-phosphoric-acid or defluorinated wet-process phosphoric acid with anhydrous ammonia. It contains not less than 106.25 percent equivalent crude protein (nitrogen \times 6.25) and 20 percent phosphorus. It contains not more than the following:

1 part fluorine to 100 parts phosphorus.
75 parts per million or arsenic (as As).
30 parts per million of heavy metals, as lead (Pb).

(b) It is used in ruminant feeds as a source of phosphorus and nitrogen in an amount that supplies not more than 2 percent of equivalent crude protein in the total daily ration.

(c) To assure safe use of the additive, the label and labeling of the additive and that of any feed additive supplement, feed additive concentrate, feed additive premix, or complete feed prepared therefrom shall contain, in addition to other information required by the act, the following:

- (1) The name of the additive.
- (2) The maximum percentage of equivalent crude protein from the non-protein nitrogen.
- (3) If the feed additive premix, feed additive concentrate, or feed additive supplement contains more than 2 percent equivalent crude protein from diammonium phosphate, adequate directions for use and a prominent statement, "Warning—This feed should be used only in accordance with directions furnished on the label."

§ 573.340 Diatomaceous earth.

(a) *Identity.* The additive consists of siliceous skeletal material derived from various species of diatoms.

(b) *Specifications.* The additive shall conform to the following specifications:

Lead, not more than 15 parts per million.
Arsenic (as As), not more than 20 parts per million
Fluorine, not more than 600 parts per million.

(c) *Uses.* It is used or intended for use as an inert carrier or anticaking agent in animal feeds in an amount not to exceed 2 percent by weight of the total ration.

§ 573.360 Disodium EDTA.

The food additive disodium EDTA (disodium ethylenediaminetetraacetate) may be safely used in animal feeds, in accordance with the following prescribed conditions:

(a) The food additive contains a minimum of 99 percent disodium ethylenediaminetetraacetate dihydrate ($C_{10}H_{14}O_8N_2Na_2 \cdot 2H_2O$).

(b) It is used to solubilize trace minerals in aqueous solutions, which are then added to animal feeds.

(c) It is used or intended for use in an amount not to exceed 240 parts per million of the additive in finished feed.

(d) To assure safe use of the additive the label and labeling shall bear:

- (1) The name of the additive; and
- (2) Adequate mixing directions to ensure that the chelated trace-mineral mix is uniformly blended throughout the feed.

§ 573.380 Ethoxyquin in animal feeds.

Ethoxyquin (1,2-dihydro-6-ethoxy-2,2,4-trimethylquinoline) may be safely used in animal feeds, when incorporated therein in accordance with the following prescribed conditions.

(a) It is intended for use only: (1) As a chemical preservative for retarding oxidation of carotene, xanthophylls, and vitamins A and E in animal feed and fish food and, (2) as an aid in preventing the development of organic peroxides in canned pet food.